

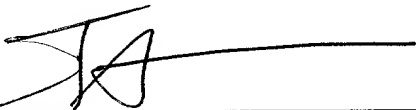
wherein a pressure difference exists between the cyclone housing and just beneath the lower end of the dipleg of between about 1000 Pa and about 40000 Pa;
the solids have a diameter ranging between about $1 \cdot 10^{-6}$ m and about $200 \cdot 10^{-6}$ m; and,
the solids comprise fluid catalytic catalysts.

Please add new claims 8 and 9:

8. The apparatus of claim 2, in which the lower end of the dipleg is located within a vessel in which the solids are disposed.
9. The process of claim 5, further comprising fluid catalytic cracking.

Respectfully submitted,

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